

**Major/Program of Study Assessment Report
Rocky Mountain College**

Major/Program of Study: Aviation Management

Academic Year: 2019-2020

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Notes: All rubrics are based on 4 point scale. See document “Rubric for Major/Program of Study Assessment Report”
 1-6 are AABI CORE Outcomes.
 7-17 are AABI General Outcomes
 18 is AABI Program Criteria

Assessment results and recommendations have been completed in May 2020. Due to the coronavirus pandemic, data from AVS 400 and senior exit survey are based on only one semester of students.

Student Learning Outcome	Evaluation Methods/Tools	Performance Standard	Assessment Results	Recommendations: Intended Use of Results
1. Graduates will demonstrate attributes of an aviation professional, career planning and understanding of certification.	Feedback from “outsider” aviation professional conducting mock interviews of seniors in AVS 400 course, a capstone course.	3.0 score on interview (rubric)	3.0 on interview	Feedback from graduates remains strong. This remains an overall great strength of the aviation program.
	Internship supervisor eval	3.0 score on internship eval	4.0 on internship eval	Discussion and training for all staff and faculty in how to handle this topic in light of the COVID pandemic.
	Senior exit survey	3.0 score on exit survey	4.0 on exit survey	
	Feedback from graduates	Overall positive	Overall positive	

<p>2. Graduates will demonstrate understanding of aircraft design, performance, operating characteristics and maintenance.</p>	<p>Internship supervisor eval Senior exit survey</p>	<p>3.0 on internship eval 3.0 score exit survey</p>	<p>3.8 on internship eval 2.8 on exit survey</p>	<p>Zero aviation management majors take AVS 410. Their exposure to this topic is limited primarily to AVS 101 freshman year with maintenance emphasized in AVS 405. More discussion in AVS 405 will help to a limited degree.</p>
<p>3. Graduates will demonstrate understanding of aviation operations in terms of aviation safety and human factors.</p>	<p>Internship supervisor eval Senior exit survey</p>	<p>3.0 on internship eval 3.0 score exit survey</p>	<p>4.0 on internship eval 3.7 on exit survey</p>	<p>Safety remains a great strength of the program. No change other than the continued evolution of safety. Continue requiring Aviation Management majors attend bi-annual Safety Meeting.</p> <p>We did withdraw from formal FAA SMS program due to resource limitation. We did not leave SMS concepts. This is industry standard.</p>
<p>4. Graduates will demonstrate understanding of national and international aviation law, regulations and labor issues.</p>	<p>AVS 312 Aviation Law tests: International law - chapters 1, 8, and 15. National law - chapters 4, 5, 6, 7, 11, 13, and 14. Regulations - chapters 2, 3, 9, 10, 12, Labor - chapters 16 and 17.</p> <p>Internship supervisor eval Senior exit survey</p>	<p>80% average AVS 312 chapter tests on International Law, National Law, Regulations, Labor</p> <p>3.0 on internship eval 3.0 score exit survey</p>	<p>AVS 312 was not taught this year due to retirement of the professor.</p> <p>4.0 on internship eval 3.3 on exit survey</p>	<p>Many courses discuss these topics, though they are assessed in AVS 312, not taught this year.</p> <p>AVS 312 continues to be popular on senior exit survey as a favorite course.</p> <p>Industry Advisory Board recommends more inclusion of labor issues in curriculum.</p>

				Will examine where/if that fits the curriculum.
5. Graduates will demonstrate understanding of design and operations of airports, airspace, and the air traffic control system.	Final exam AVS 310 Internship supervisor eval Senior exit survey	80% on relevant parts of final exam 3.0 on internship eval 3.0 score exit survey	AVS 310 was not taught this year. 4.0 on internship eval 3.3 on exit survey	Consider inclusion of SIMULATE! Software for airport design competition, as we use in AVS 405 for airline management.
6. Graduates will demonstrate understanding of meteorology and environmental issues.	Internship supervisor eval Senior exit survey	3.0 on internship eval 3.0 score exit survey	3.8 on internship eval 3.0 on exit survey	Better in last couple of years. No change. Very experienced professor in AVS 150 Meteorology has been good.
7. Graduates will apply mathematics, science, and applied sciences to aviation related disciplines.	Internship supervisor eval Senior exit survey	3.0 on internship eval 3.0 score exit survey	3.8 on internship eval 3.3 on exit survey	Steady. No change.
8. Graduates will analyze and interpret data.	Internship supervisor eval AVS 405 Air Transportation Management airline simulation evaluation Senior exit survey	3.0 internship eval 3.0 score AVS 405 evaluation tool (rubric) 3.0 score exit survey	3.5 on internship eval 3.4 AVS 405 eval 3.7 on exit survey	Steady. No change.
9. Graduates will work effectively on multi-disciplinary and diverse teams.	Internship supervisor eval AVS 405 Air Transportation	3.0 internship eval 3.0 score AVS 405 evaluation tool	3.8 on internship eval 3.2 AVS 405 eval	Acceptable, but not the strongest SLO given the emphasis. Senior surveys could be stronger. We will

	Management airline simulation evaluation Senior exit survey	(rubric) 3.0 score exit survey	 3.3 on exit survey	seek to improve messaging and this part of CRM course. Our concern is students interpret “multi-disciplinary and diverse” to mean students in different majors and students from different racial groups. Both are very challenging teams to create at RMC.
10. Graduates will make professional and ethical decisions.	Ethics paper, AVS 400 Internship supervisor eval Senior exit survey	3.0 on ethics paper 3.0 score on internship eval 3.0 score exit survey	3.9 on ethics paper 3.8 on internship eval 4.0 on exit survey	Strong. No change. Continue to emphasize teaching this to new staff and faculty.
11. Graduates will communicate effectively, using both written and oral communication skills.	AVS 405 Air Transportation Management airline simulation evaluation final report AVS 308 presentation Internship supervisor eval Senior exit survey	WRITTEN: 3.0 score AVS 405 evaluation tool (rubric) 3.0 on internship eval 3.0 score exit survey ORAL: AVS 308 Presentation (rubric) 3.0 on internship eval 3.0 score exit survey	WRITTEN: 3.1 AVS 405 eval 3.8 on internship eval 4.0 on exit survey ORAL: 3.1 AVS 308 presentation 4.0 on internship eval 4.0 on exit survey	Writing remains strong. As the large freshmen class from 2019 moves into upper division courses, oral presentations could become an issue. Will continue discussion with all faculty. One benefit of the pandemic is AVS 308 presentations were conducted on-line, which introduced the students to a new and important type of oral communication. We believe they have not seen the end of virtual briefings.

12. Graduates will engage in and recognize the need for life-long learning.	Internship supervisor eval Senior exit survey	3.0 score internship eval 3.0 score exit survey	3.8 on internship eval 4.0 on exit survey	No change.
13. Graduates will assess contemporary issues.	AVS 312 exam Senior exit survey	80% on related testing in AVS 312. 3.0 score exit survey	AVS 312 was not taught this year. 3.3 on exit survey	Limited data since no AVS 312 this year. Discuss with new AVS 312 professor. During the pandemic, discussions on this topic were much more common in all classes conducted synchronously.
14. Graduates will use the techniques, skills, and modern technology necessary for professional practice.	AVS 405 Air Transportation Management airline simulation evaluation Internship supervisor eval Senior exit survey	3.0 score AVS 405 evaluation tool (rubric) 3.0 internship eval 3.0 score exit survey	3.1 AVS 405 eval 3.8 on internship eval 3.7 on exit survey	Steady. No change.
15. Graduates will assess the national and international aviation environment.	AVS 312 Aviation Law. In class discussions. Senior exit survey	Feedback from professor about in-class discussions. 3.0 score exit survey	AVS 312 was not taught this year. 3.2 on exit survey	Limited data since no AVS 312 this year. Discuss with new AVS 312 professor. During the pandemic, discussions on this topic were much more common in all classes conducted synchronously.
16. Graduates will apply pertinent knowledge in	AVS 405 Air Transportation	3.0 score AVS 405 evaluation tool (rubric)	3.1 AVS 405 eval	Steady. No change.

<p>identifying and solving problems.</p>	<p>Management airline simulation evaluation</p> <p>Senior exit survey</p> <p>Internship supervisor eval</p>	<p>3.0 score exit survey</p> <p>3.0 score internship eval</p>	<p>3.3 on exit survey</p> <p>4.0 on internship eval</p>	
<p>17. Graduates will apply knowledge of business sustainability to aviation issues.</p>	<p>AVS 405 Air Transportation Management airline simulation evaluation</p> <p>Internship supervisor eval</p> <p>Senior exit survey</p>	<p>3.0 score AVS 405 evaluation tool (rubric)</p> <p>3.0 score internship eval</p> <p>3.0 score exit survey</p>	<p>3.1 AVS 405 eval</p> <p>3.7 on internship eval</p> <p>3.5 on exit survey</p>	<p>No change.</p>
<p>18. Communicate the principles necessary to integrate as an employee at a fixed base operations company, an airline, and an airport.</p>	<p>AVS 405 Air Transportation Management airline simulation evaluation</p> <p>Senior exit survey</p>	<p>3.0 score AVS 405 evaluation tool (rubric)</p> <p>3.0 internship eval</p> <p>3.0 score exit survey</p>	<p>1.3 AVS 405 eval</p> <p>4.0 on internship eval</p> <p>3.5 on exit survey</p>	<p>AVS 405 continues to be a weak area for Aviation Management majors, though data is difficult to separate because teams are forms irrespective of major. Small statistical pool of AM majors difficult. Nearly 100% were Aeronautical Science majors who left flying and often are weaker students. Somewhat related is program-wide reemphasis on keeping AM in the game and valuing them as part of the program.</p>